

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

3. (currently amended): The multi-piece solid golf ball of ~~claim 4~~claim 16, wherein both the hardness of the inner and outer cover layers are up to 63 in Shore D hardness

4. (currently amended): A multi-piece solid golf ball comprising; a solid core and a cover consisting of inner and outer layers surrounding the core, the outer cover layer having a surface formed with a plurality of dimples,

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said solid core having a distortion of 2.8 to 6.5 mm under an applied load of 100 kg, and a product of the Shore D hardness of said inner cover layer multiplied by the Shore D hardness of said outer cover layer and a proportion V_R (%) of the total of the volumes of dimple spaces each defined below a plane circumscribed by the dimple edge to the overall volume of a phantom sphere given on the assumption that the golf ball surface is free of dimples satisfy any one of the following combinations (1) to (5):

(1) the product of Shore D hardnesses of inner and outer cover layers: 1,500 to less than 2,000

V_R : 0.8 to 0.93%

(2) the product of Shore D hardnesses of inner and outer cover layers: 2,000 to less than 2,500

V_R : 0.75 to 1.05%

(3) the product of Shore D hardnesses of inner and outer cover layers: 2,500 to less than 3,000

V_R : .7 to 1%

(4) the product of Shore D hardnesses of inner and outer cover layers: 3,000 to less than 3,500

V_R : 0.65 to 0.95%

(5) the product of Shore D hardnesses of inner and outer cover layers: 3,500 to 4,000

V_R : 0.6 to 0.9%,

and said dimples include at least three types of dimples which are different in at least one of, diameter, depth, and value V_0 which is the volume of one dimple space defined below a plane circumscribed by the dimple edge divided by the volume of a cylinder whose bottom is the plane and whose height is the maximum depth of the dimple from the bottom; and

wherein both the hardness of the inner and outer cover layers are up to 63 in Shore D hardness.

5. (currently amended): The multi-piece solid golf ball of ~~claim 4~~claim 16, wherein said solid core has a distortion of 2.8 to 6.0 mm under an applied load of 100 kg.

6. (currently amended): The multi-piece golf ball of ~~claim 4~~claim 16, wherein said outer cover layer has a Shore D hardness in the range of 30 to 62.

7. (currently amended): The multi-piece golf ball of ~~claim 4~~claim 16, wherein the inner cover layer has a Shore D hardness in the range of 28 to 68.

8. (currently amended): The multi-piece golf ball of ~~claim 4~~claim 16, wherein said inner cover layer has a gage in the range of 0.5 to 3.0 mm.

9. (currently amended): The multi-piece golf ball of ~~claim 4~~claim 16, wherein said outer cover layer has a gage in the range of 0.5 to 2.5 mm.

10. (currently amended): The multi-piece golf ball of ~~claim 4~~claim 16, wherein said cover has a total gage of 1.0 to 5.0 mm.

11. (currently amended): The multi-piece golf ball of ~~claim 4~~claim 16, wherein said dimples have diameters such that a largest diameter is in the range of 3.7 to 4.5 mm.

12. (currently amended): The multi-piece golf ball of ~~claim 4~~claim 16, wherein dimple depth for a largest size dimple is in the range of 0.15 to 0.25 mm.

13. (currently amended): The multi-piece golf ball of ~~claim 4~~claim 16, wherein V_0 is in a range of 0.4 to 0.52 for a largest size dimple.

14. (currently amended): The multi-piece golf ball of ~~claim 4~~claim 16, wherein V_0 for the golf ball as a whole is in the range 0.38 to 0.55.

15. (currently amended): The multi-piece golf ball of ~~claim 4~~claim 16, wherein dimples of a smallest type have a diameter in the range of 2.0 to 3.7 mm and a depth in the range of 0.08 to 0.23 mm.

16. (previously presented): A multi-piece solid golf ball comprising; a solid core and a cover consisting of inner and outer layers surrounding the core, the outer cover layer having a surface formed with a plurality of dimples,

said solid core having a distortion of 2.8 to 3.0 mm under an applied load of 100 kg, and
a product of the Shore D hardness of said inner cover layer multiplied by the Shore D hardness of said outer cover layer and a proportion V_R (%) of the total of the volumes of dimple spaces each defined below a plane circumscribed by the dimple edge to the overall volume of a phantom sphere given on the assumption that the golf ball surface is free of dimples satisfy any one of the following combinations (1) to (5):

(1) the product of Shore D hardnesses of inner and outer cover layers: 1,500 to less than 2,000

v_R : 0.8 to 1.1%

(2) the product of Shore D hardnesses of inner and outer cover layers: 2,000 to less than 2,500

V_R : 0.75 to 1.05%

(3) the product of Shore D hardnesses of inner and outer cover layers: 2,500 to less than 3,000

V_R : .7 to 1%

(4) the product of Shore D hardnesses of inner and outer cover layers: 3,000 to less than 3,500

V_R : 0.65 to 0.95%

(5) the product of Shore D hardnesses of inner and outer cover layers: 3,500 to 4,000

V_R : 0.6 to 0.9%,

and said dimples include at least three types of dimples which are different in at least one of, diameter, depth, and value V_0 which is the volume of one dimple space defined below a plane circumscribed by the dimple edge divided by the volume of a cylinder whose bottom is the plane and whose height is the maximum depth of the dimple from the bottom.